Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	11/12/2020 09:21 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020 (Expired)
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	126708	1	3.34	126828	3.34
Blue	F	SSC	125000	123911	-1	1.89	124602	1.88
Blue	E	FITC	15892	15547	-3	2.89	339	21.44
Blue	D	PE	29999	29293	-3	2.04	639	15.61
Blue	B	PerCP-Cy5-5	43732	43700	-1	3.84	1171	21.46
Blue	A	PE-Cy7	30845	30987	0	6.52	594	43.36
Red	C	APC	46112	44986	-3	2.51	1588	12.16
Red	A	APC-Cy7	30458	29230	-5	2.41	782	11.80
Violet	B	V450	7918	7579	-5	4.38	437	13.31
Violet	A	V500	32171	30564	-5	4.20	718	10.75

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17022	19.98	658	37	N/A	N/A	Pass
Blue	F	SSC	57139	1.31	587	28	N/A	N/A	Pass
Blue	E	FITC	61	67.39	555	12	0.0171	127	Pass
Blue	D	PE	133	51.50	561	13	0.1353	229	Pass
Blue	B	PerCP-Cy5-5	213	53.65	670	14	0.0082	78	Pass
Blue	A	PE-Cy7	107	111.68	716	18	0.0097	25	Pass
Red	C	APC	380	25.63	588	4	0.0246	185	Pass
Red	A	APC-Cy7	172	28.24	558	2	0.0057	911	Pass
Violet	B	V450	66	61.19	457	-1	0.0503	2296	Pass
Violet	A	V500	108	36.34	472	-2	0.0229	1177	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.99	-32.54	1.06
Blue	20.35	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.40
Red	15.89	13.60 - 20.40	N/A	N/A	29.87	30.28	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.74

Threshold

Threshold (FSC): 9989

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments